

REMARKS

Claims 1-26 are still pending.

I. THE INDEFINITENESS REJECTION

Dependent claims 4, 21 and 26 are rejected as being indefinite.

It is respectfully submitted that the language of claims 4, 21 and 26 is supported and used consistently throughout the patent application, including the paragraph bridging pages 3-4, as well as the paragraph on page 8, lines 13-16. In comparison, the language of claims 3, 20 and 25 is deemed to be O.K. by the Examiner, and is for the most part very similar to the language of claims 4, 21 and 26. Nevertheless, it is appreciated that the phrase "time instant" is not a common phrase in the English vernacular and may be contributing to the uncertainty the Examiner is having with the language. In view of this, claim 4 is amended to read:

time instants are expressed in relation to some time instant that the mobile node and the visited-domain agent both know, including a time instant of instants when periodic paging area advertisements are broadcast.

Claims 21 and 26 are similarly amended, as well as the aforementioned passages in the specification to read consistent therewith.

II. THE PRIOR ART REJECTION

Claims 1-3, 5-6, 9, 12-20, and 22-25 are rejected as being obvious based on the Wan '920 patent.

However, the obviousness rejection is respectfully traversed on the basis that Wan does not teach or suggest a mobile internet protocol regional paging network wherein the mobile node negotiates a time slot based paging scheme with a visited-domain mobility agent, as recited in claim 1.

In contrast, Wan discloses a power management system for a mobile station 106 operating in a cell 108 in Figure 1 having a base station 104 that communicates with a mobile switching center 102 via a time division multiple access frame 502 shown in Figure 5 having a short page channel (SPCH) 504 with four time slots 506. Wan's power management system tries to reduce power consumed by the mobile station 106, including reducing the quantity of data needed to be processed to detect pending telephone calls and paging messages, reducing the frequency that broadcast control information is processed, and reducing the power consumed when the mobile station 106 is in the standby mode, as described in the paragraph bridging columns 1-2. For example, in operation Wan's mobile station 106 periodically processes the short page channel (SPCH) 504 which contains sufficient information to alert the mobile station that there may be a telephone call or paging message directed thereto, as described in column 9, lines 46-50. (See also Figure 6 which

shows one embodiment of the mapping of bits of a short page channel (SPCH) time slot.) Moreover, the mobile station 106 uses a high precision master clock 808 (Figure 8) during its normal operation mode, but uses a low accuracy clock 810 when operating in the standby mode in order to gain the battery power savings as described in column 24, lines 43, through column 25, line 21.

Moreover, it is also respectfully submitted that Wan does not hint or suggestion to have the mobile node 106 negotiate a time slot based paging scheme with a visited-domain mobility agent, as provided for in the claimed invention. Clearly, there is no exchange of information about time slots between the mobile node and the visited-domain mobility agent, as recited in claim 2. The reasoning in the Office Action, page 3, lines 7-10, also recognizes that Wan provides no such teaching of the claimed invention, but nevertheless takes the position that it would be obvious "to understand the time slot is provided in Wan's invention for the idle mode" According to the understanding of the undersigned attorney, as well as the understanding of the instant inventors and the patent engineer in charge of the patent application for the assignee of the present application, Wan's time slot is a predefined time slot and there is no negotiation related to any parameter thereof between the mobile node and the visited-domain mobility agent.



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For all these reasons, it is respectfully submitted that Wan does not teach or suggest the present invention recited in claim 1.

Further, it is respectfully submitted that the same reasoning applies to independent claims 16, 18 and 23.

In addition, claims 2-3, 5-6, 9, 12-15, 17, 19-20, 22, and 24-25 depend directly or indirectly from these independent claims, contain all the limitations therein are deemed patentable over the cited prior art for the same reasons set forth above.

Dependent claims 7-8 and 10-11 are indicated to be allowable if amended to include the limitations of the base claim and any intervening claims. Based on the aforementioned reasoning, it is not deemed necessary to amend these claims.

Reconsideration and an early allowance of the claims is respectfully requested.

Respectfully submitted,

William J. Barber
Attorney for the Applicants
Registration No. 32,720

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WARE, FRESSOLA, VAN DER SLUYS
& ADOLPHSON LLP
Customer No. 004955
Bradford Green, Building Five
755 Main Street, P.O. Box 224
Monroe, CT 06468
(203) 261-1234